

ALPHA-FETOPROTEIN PEPTIDES AND USES THEREOF

ABSTRACT OF THE DISCLOSURE

The subject invention addresses the need for methods
5 of treatment and prevention of breast cancer, and other
cancers, by providing a peptide of eight to twenty amino
acids in length which comprises a hydrophilic analog of
an alpha-fetoprotein peptide having SEQ ID NO:6:
EMTPVNPG. The peptides may be linear, but are preferably
10 cyclic. The peptides may be provided as dimers or other
multimers. A composition comprising the peptide, an
antibody that specifically binds to the peptide, a method
of reducing estrogen-stimulated growth of cells using the
peptide, as well as a method of treating or preventing
15 cancer, such as breast cancer, are also provided. The
treatment or prevention method can include the use of
tamoxifen therapy in combination with the peptide
therapy.

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